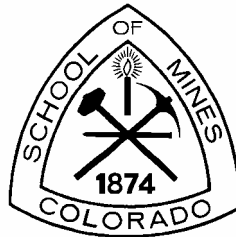


# **SPACE RESOURCES ROUNDTABLE VIII**

---

**Colorado School of Mines  
October 31-November 2, 2006**

[www.ISRUInfo.com](http://www.ISRUInfo.com)



Sponsored by:  
*Colorado School of Mines  
Lunar and Planetary Institute  
Space Resources Roundtable, Inc.*

---

## **Second Announcement**

**Abstracts Due: September 8, 2006**

## **STEERING COMMITTEE**

---

Michael B. Duke, Colorado School of Mines  
Leslie Gertsch, University of Missouri-Rolla  
Stephen Mackwell, Lunar and Planetary Institute  
Ed McCullough, Boeing  
Charles O'Dale, Senomix Software Inc.  
Clyde Parrish, NASA Kennedy Space Center  
Frank Schowengerdt, Code US, NASA Headquarters  
G. Jeffrey Taylor, University of Hawai'i  
Lawrence Taylor, University of Tennessee

## **CONTACT INFORMATION**

---

Scientific Program:

Leslie Gertsch  
Workshop Program Committee Chair  
[GertschL@umr.edu](mailto:GertschL@umr.edu)

Logistics:

Office of Special Programs & Continuing Education (SPACE)  
[space@mines.edu](mailto:space@mines.edu)

## ***SCHEDULE***

---

June 1	Indication of Interest forms due to SPACE
June 30	Second announcement mailed
September 8	Electronic abstract submission deadline
September 29	Final announcement mailed
October 13	Preregistration deadline
Oct 31-Nov 1	Space Resources Utilization Roundtable VI at Colorado School of Mines

## ***PURPOSE AND SCOPE***

The Space Resources Roundtable, Inc., in collaboration with the Colorado School of Mines and the Lunar and Planetary Institute, will convene the eighth Space Resources Roundtable on October 31-November 2, 2006 at the Colorado School of Mines, in Golden, CO.

The purpose of the Space Resources Roundtable is to bring together space professionals, natural resources industry personnel (mining, quarrying, construction), and entrepreneurs interested in developing and utilizing the resources of space, including the Moon, Mars, asteroids, and comets. The goal of the Space Resources Roundtable is to advance the prospects for the commercial development of space resources through information exchange among government, commercial, and academic organizations.

This year's meeting again promises to be exciting. Ever since U.S. President George W. Bush announced the central role for *in situ* resource utilization on the Moon and Mars in support of an expanded space exploration program, interest continues to increase. The European Space Agency has similar long-range plans. The Space Resources Roundtable, with its visionary and technically-savvy participants, is in a unique position to help shape these new programs.

Thus, the eighth Space Resources Roundtable solicits abstracts for short presentations on:

- ISRU priorities for demonstration missions to the Moon and Mars
- Commercial involvement in lunar and/or martian ISRU
- Regolith simulants for the Moon and Mars
- Any other timely ISRU-related issues

The Roundtable will provide the opportunity to present technical reports in the above areas, and to discuss the first three topics with an eye to producing one to three white papers to present to appropriate national and international officials. These documents are intended to provide decision makers with technically sound recommendations for incorporating space resources into the new exploration programs.

## ***The Space Resources Roundtable, Inc.***

The Space Resources Roundtable, Inc. is incorporated within the State of Colorado and has 501c(3) status with the U. S. Internal Revenue Service. Membership in the Space Resources Roundtable, Inc. is \$75/year for individual members. Members receive a \$50 discount from the registration fee at Space Resources Roundtable VIII. Send dues to Professor Alex Ignatiev, Treasurer, Texas Center for Semiconductors and Advanced Materials, University of Houston, Houston, TX 77204-5002.

## ***WHEN AND WHERE***

The Roundtable will be held in the Green Conference Center on the campus of the Colorado School of Mines, in Golden, Colorado. The campus is conveniently located to downtown Denver and is about a 45-minute drive from Denver International Airport. Commercial shuttle service is available by Golden West Commuter, phone 303-342-9300, [www.gwcommuter.com](http://www.gwcommuter.com). Conference activities include a reception, dinner on the second evening, two lunches, and coffee/soft drinks at morning/afternoon breaks. Nearby accommodations include:

Table Mountain Inn: 1310 Washington Ave. Golden CO 303-277-9898  
The Golden Hotel: 800 11<sup>th</sup> St. Golden CO 303-279-0100  
Dove Inn Bed & Breakfast: 711 14<sup>th</sup> St. Golden CO 303-278-2209  
Hampton Inn Denver West: 17150 West Colfax Golden CO 303-278-6600

Or visit [www.mines.edu/outreach/cont\\_ed](http://www.mines.edu/outreach/cont_ed) and click on “accommodations”

The Roundtable meeting will be constructed from topics chosen from the submitted abstracts or by invitation from the Roundtable organizing committee. The Space Resources Roundtable web site, <http://www.mines.edu/research/srr>, provides access to the abstracts, programs and other information from previous meetings as well as those of the current meeting.

## ***ABSTRACT SUBMISSION***

Please submit abstracts electronically using Adobe Acrobat PDF format (preferred) or Microsoft Word to Leslie Gertsch at [GertschL@umr.edu](mailto:GertschL@umr.edu). The preferred layout is in two columns, using Times New Roman 10-point font. Refer to the accompanying Microsoft Word template for precise format details. The abstract must be no longer than two pages, including all figures, tables, and references.

Abstracts may be on any topic related to space resources and their utilization. See the list above and the websites [www.ISRUInfo.com](http://www.ISRUInfo.com) for ideas.

Abstracts are mini-papers; tell the information in abbreviated form rather than promising to talk about it. State conclusions and recommendations clearly and briefly. Abstracts may be refused if the Steering Committee deems they are not substantive.

Abstracts are due by September 8, to allow time for the program to be formulated and organized.

## ***REGISTRATION FEE***

The registration fee for Space Resources Roundtable VIII is \$250 (\$200 for paid-up members of the Space Resources Roundtable) until October 13, and \$275 beyond that date. A registration form is provided in this announcement. Mail it with a check or money order to the Office of Special Programs and Continuing Education, Colorado School of Mines, 1500 Illinois St., Golden, CO 80401. If you prefer secure payment by credit card, please go online at [https://www.hagrid.mines.edu/outreach/cont\\_ed/form\\_pop.htm](https://www.hagrid.mines.edu/outreach/cont_ed/form_pop.htm). The office can be reached by email at [space@mines.edu](mailto:space@mines.edu).

The registration fee includes one ticket to the opening reception on the evening of October 31, a catered dinner on the evening of November 1, continental breakfast on all three days of the meeting, and lunches on November 1 and 2. Registrants will be provided with a full set of abstracts at the beginning of the meeting. Abstracts, summaries of discussion, and presentation materials will be collected for the Space Resources Roundtable web site, <http://www.mines.edu/research/srr>.

## ***FURTHER INFORMATION***

Further details regarding abstract submission, the program, and logistics will be included in the final announcement. Please submit your abstracts by the September 8, 2006 deadline so we can set the final program.

**Logistical Point of Contact:** Office of Special Programs and Continuing Education  
Colorado School of Mines  
1500 Illinois St.  
Golden, CO 80401  
E-mail: [space@mines.edu](mailto:space@mines.edu)  
Metro-Denver area phone: 303-273-3321  
Out-of-area, out-of-state phone: 800-446-9488, ext.3321  
Fax: 303-273-3314

**Technical Point of Contact:** Leslie Gertsch  
University of Missouri-Rolla  
Rock Mechanics & Explosives Research Center  
1006 Kingshighway  
Rolla, MO 65401  
Email: [GertschL@umr.edu](mailto:GertschL@umr.edu)  
Telephone: 573-341-7278  
Fax: 573-341-4368

**CONFERENCE REGISTRATION FORM**  
**SPACE RESOURCES UTILIZATION ROUNDTABLE VIII**

Name\_\_\_\_\_Title\_\_\_\_\_

Affiliation\_\_\_\_\_

Address\_\_\_\_\_

City\_\_\_\_\_State\_\_\_\_\_Zip\_\_\_\_\_

Phone\_\_\_\_\_Fax\_\_\_\_\_

E-mail\_\_\_\_\_

+++++

Early Nonmember Registration (\$250, before 13 Oct 06) \_\_\_\_\_

Late Nonmember Registration (\$275, after 13 Oct 06) \_\_\_\_\_

Member Registration (\$200) \_\_\_\_\_

Credit Card Type: \_\_\_\_\_ American Express \_\_\_\_\_ MasterCard \_\_\_\_\_ Visa

Credit Card Number: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

Name on Card: \_\_\_\_\_

Signature: \_\_\_\_\_

You are not fully registered until we have received your registration payment. Payment can be made by check, money order or credit card to Colorado School of Mines, Department of Special Programs and Continuing Education, 1500 Illinois St., Golden, CO 80401. This can be done securely online with a credit card by going to [https://hagrid.mines.edu/outreach/cont\\_ed/form\\_pgp.htm](https://hagrid.mines.edu/outreach/cont_ed/form_pgp.htm) , or send by mail (to arrive before October 13), to the above address.

**Return by 13 October 2006** to Space Resources Roundtable VIII, Office of Special Programs & Continuing Education, Colorado School of Mines, Golden, CO 80401 (phone: 303+273+3321; fax: 303+273+3314; e+mail: [space@mines.edu](mailto:space@mines.edu))

**Please return by Oct 13, 2006**

**REPLACE THIS SENTENCE WITH THE TITLE OF YOUR ABSTRACT.** A. B. Author<sup>1</sup> and C. D. Author<sup>2</sup>,  
<sup>1</sup>Affiliation (include full mailing address and e-mail address if desired) for first author, <sup>2</sup>Affiliation for second author  
(full mailing address and e-mail address).

**Introduction:** Replace these instructions with the text of your abstract. Do NOT delete the section break above. The text will appear in two columns that are each ~3 inches wide. (Please make sure your paper size is set to U.S. letter, 8.5" × 11", before submitting your abstract.) Page margins are set to be one inch on all sides, and your finished abstract should be no longer than two pages. If you are including tables or figures, they MUST be imported into this file, and should be sized to fit into a single column.

**Digital Formats:** Line drawings AND photographs can be easily converted to high-quality digital format by using ordinary flatbed scanners and accompanying software. Any image file format that can be imported into this file will be acceptable for publication; to avoid technical problems, we suggest using TIFF (.tif) or GIF (.gif) files for photographs, and encapsulated PostScript (.eps) or Windows metafiles (.wmf) for line drawings. We ask that you use smaller-format files whenever possible (for example, don't use a 1-MB TIFF file if a 250-K GIF file provides acceptable resolution).

**Heading Styles:** The section heads in this template use the correct style (upper and lower case, bold, followed by a colon). The format for second-level heads is show below:

*Sample of a level-two head.* Automatic paragraph indents are imbedded to appear every time you use a hard return. If you're using the spell checker and it doesn't seem to be working, check the "Language" option under the "Tools" to make sure that "No Proofing" isn't selected as the default. You should also check that the default font is Times New Roman and not New York (this conversion takes place on some Macintosh systems).

**References:** Use the brief numbered style common in many abstracts, e.g., [1], [2], etc. References should then appear in numerical order in the reference list, and should use the following abbreviated style:

[1] Author A. B. and Author C. D. (1997) *JGR*, 90, 1151–1154. [2] Author E. F. et al. (1997) *Meteoritics & Planet. Sci.*, 32, A74. [3] Author G. H. (1996) *LPS XXVII*, 1344–1345.

**Additional Information:** If you have any questions or need additional information regarding the preparation of your abstract, call Leslie Gertsch at 573-341-7278 (or send an e-mail message to GertschL@umr.edu). Alternatively, call the LPI at

281-486-2164 or -2188 (or send an e-mail message to [publish@lpi.usra.edu](mailto:publish@lpi.usra.edu)).